

L Number	Hits	Search Text	DB	Time stamp
1	34962	mr or mre or magneto adj resist\$5 or magnetoresist\$5 or amr or magnetic\$4 adj resist\$5 or gmr\$1 or spin adj valve\$1 or svmr\$1 or tjmr\$1 or tmj\$1 or g11b005/39.ipc. or tmr or mram or magnetic adj memory or magnetic adj random adj access adj memory or TJM or macro adj magnetoresist\$5 or macromagnetoresist\$5	EPO; JPO; DERWENT	2003/05/21 10:43
2	65990	tunnel\$3 or cpp or c-p-p or c adj p adj p or current near3 perpendicular\$2	EPO; JPO; DERWENT	2003/05/21 10:44
3	1111	(mr or mre or magneto adj resist\$5 or magnetoresist\$5 or amr or magnetic\$4 adj resist\$5 or gmr\$1 or spin adj valve\$1 or svmr\$1 or tjmr\$1 or tmj\$1 or g11b005/39.ipc. or tmr or mram or magnetic adj memory or magnetic adj random adj access adj memory or TJM or macro adj magnetoresist\$5 or macromagnetoresist\$5) and (tunnel\$3 or cpp or c-p-p or c adj p adj p or current near3 perpendicular\$2)	EPO; JPO; DERWENT	2003/05/21 09:44
4	1187436	vertical or bias\$3 or permanent or barkhausen or mdc or magnetic adj2 domain\$1 or magnetization or magnet or magnets or barkhaussen	EPO; JPO; DERWENT	2003/05/21 09:47
5	375	((mr or mre or magneto adj resist\$5 or magnetoresist\$5 or amr or magnetic\$4 adj resist\$5 or gmr\$1 or spin adj valve\$1 or svmr\$1 or tjmr\$1 or tmj\$1 or g11b005/39.ipc. or tmr or mram or magnetic adj memory or magnetic adj random adj access adj memory or TJM or macro adj magnetoresist\$5 or macromagnetoresist\$5) and (tunnel\$3 or cpp or c-p-p or c adj p adj p or current near3 perpendicular\$2)) and (vertical or bias\$3 or permanent or barkhausen or mdc or magnetic adj2 domain\$1 or magnetization or magnet or magnets or barkhaussen)	EPO; JPO; DERWENT	2003/05/21 09:47
6	269200	(magnet or magnets or barkhausen or ((hard or longitudinal\$4) adj2 bias\$4) or mdc or domain\$ or barkhaussen or popcorn or pop adj corn or wiggle)	EPO; JPO; DERWENT	2003/05/21 09:48
7	1228526	(vertical or bias\$3 or permanent or barkhausen or mdc or magnetic adj2 domain\$1 or magnetization or magnet or magnets or barkhaussen) or ((magnet or magnets or barkhausen or ((hard or longitudinal\$4) adj2 bias\$4) or mdc or domain\$ or barkhaussen or popcorn or pop adj corn or wiggle))	EPO; JPO; DERWENT	2003/05/21 09:48

8	379	((mr or mre or magneto adj resist\$5 or magnetoresist\$5 or amr or magnetic\$4 adj resist\$5 or gmr\$1 or spin adj valve\$1 or svmr\$1 or tjmr\$1 or tmj\$1 or g11b005/39.ipc. or tmr or mram or magnetic adj memory or magnetic adj random adj access adj memory or TJM or macro adj magnetoresist\$5 or macromagnetoresist\$5) and (tunnel\$3 or cpp or c-p-p or c adj p adj p or current near3 perpendicular\$2)) and ((vertical or bias\$3 or permanent or barkhausen or mdc or magnetic adj2 domain\$1 or magnetization or magnet or magnets or barkhaussen) or ((magnet or magnets or barkhausen or ((hard or longitudinal\$4) adj2 bias\$4) or mdc or domain\$ or barkhaussen or popcorn or pop adj corn or wiggle)))	EPO; JPO; DERWENT	2003/05/21 09:48
9	741	mr or mre or magneto adj resist\$5 or magnetoresist\$5 or amr or magnetic\$4 adj resist\$5 or gmr\$1 or spin adj valve\$1 or svmr\$1 or tjmr\$1 or tmj\$1 or g11b005/39.ipc. or tmr or mram or magnetic adj memory or magnetic adj random adj access adj memory or TJM or macro adj magnetoresist\$5 or macromagnetoresist\$5	IBM_TDB	2003/05/21 10:43
10	2209	tunnel\$3 or cpp or c-p-p or c adj p adj p or current near3 perpendicular\$2 or barrier	IBM_TDB	2003/05/21 10:44
11	36	(mr or mre or magneto adj resist\$5 or magnetoresist\$5 or amr or magnetic\$4 adj resist\$5 or gmr\$1 or spin adj valve\$1 or svmr\$1 or tjmr\$1 or tmj\$1 or g11b005/39.ipc. or tmr or mram or magnetic adj memory or magnetic adj random adj access adj memory or TJM or macro adj magnetoresist\$5 or macromagnetoresist\$5) and (tunnel\$3 or cpp or c-p-p or c adj p adj p or current near3 perpendicular\$2 or barrier)	IBM_TDB	2003/05/21 10:45
12	1334	(seed or buffer or underlayer or under adj layer or seedlayer) near4 free	EPO; JPO; DERWENT	2003/05/21 10:46
13	23	(mr or mre or magneto adj resist\$5 or magnetoresist\$5 or amr or magnetic\$4 adj resist\$5 or gmr\$1 or spin adj valve\$1 or svmr\$1 or tjmr\$1 or tmj\$1 or g11b005/39.ipc. or tmr or mram or magnetic adj memory or magnetic adj random adj access adj memory or TJM or macro adj magnetoresist\$5 or macromagnetoresist\$5) and ((seed or buffer or underlayer or under adj layer or seedlayer) near4 free)	EPO; JPO; DERWENT	2003/05/21 10:46

L Number	Hits	Search Text	DB	Time stamp
1	12516	(mr or mre or magneto adj resist\$5 or magnetoresist\$5 or amr or magnetic\$4 adj resist\$5 or gmr\$1 or spin adj valve\$1 or svmr\$1 or tjmr\$1 or tmj\$1 or tnr or mram or magnetic adj memory or magnetic adj random adj access adj memory or DSV or TJM or macro adj magnetoresist\$5 or macromagnetoresist\$5).ti,ab,clm. or "360/113" or 360/313-327.33.ccls. or 428/692-693.ccls. or 338/32\$2.ccls. or 324/207.21.ccls. or 324/252.ccls. or 365/171.ccls. or 365/173.ccls. and (tunnel\$3 or cpp or c-p-p or c adj p adj p or current near3 perpendicular\$2).ti,ab,clm.	USPAT; US-PGPUB	2003/05/21 14:44
2	442	(mr or mre or magneto adj resist\$5 or magnetoresist\$5 or amr or magnetic\$4 adj resist\$5 or gmr\$1 or spin adj valve\$1 or svmr\$1 or tjmr\$1 or tmj\$1 or tnr or mram or magnetic adj memory or magnetic adj random adj access adj memory or DSV or TJM or macro adj magnetoresist\$5 or macromagnetoresist\$5).ti,ab,clm. and ("360/113" or 360/313-327.33.ccls. or 428/692-693.ccls. or 338/32\$2.ccls. or 324/207.21.ccls. or 324/252.ccls. or 365/171.ccls. or 365/173.ccls.) and (tunnel\$3 or cpp or c-p-p or c adj p adj p or current near3 perpendicular\$2).ti,ab,clm.	USPAT; US-PGPUB	2003/05/21 14:45
3	128547	(seed or seedlayer or underlayer or under adj layer or buffer or bias\$3 or barkhausen or mdc or magnetic adj2 domain\$1 or magnetization or magnet or magnets or barkhaussen).ti,ab.	USPAT; US-PGPUB	2003/05/21 14:51

4	188	((mr or mre or magneto adj resist\$5 or magnetoresist\$5 or amr or magnetic\$4 adj resist\$5 or gmr\$1 or spin adj valve\$1 or svmr\$1 or tjmr\$1 or tmj\$1 or tnr or mram or magnetic adj memory or magnetic adj random adj access adj memory or DSV or TJM or macro adj magnetoresist\$5 or macromagnetoresist\$5).ti,ab,clm. and ("360/113" or 360/313-327.33.ccls. or 428/692-693.ccls. or 338/32\$2.ccls. or 324/207.21.ccls. or 324/252.ccls. or 365/171.ccls. or 365/173.ccls.) and (tunnel\$3 or cpp or c-p-p or c adj p adj p or current near3 perpendicular\$2).ti,ab,clm.) and ((seed or seedlayer or underlayer or under adj layer or buffer or bias\$3 or barkhausen or mdc or magnetic adj2 domain\$1 or magnetization or magnet or magnets or barkhaussen).ti,ab.)	USPAT; US-PGPUB	2003/05/21 14:51
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